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NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 Jan 25 BLAST(R) searching in REGISTRY available in STN on the Web  
NEWS 3 Jan 29 FSTA has been reloaded and moves to weekly updates  
NEWS 4 Feb 01 DKILIT now produced by FIZ Karlsruhe and has a new update  
frequency  
NEWS 5 Feb 19 Access via Tymnet and SprintNet Eliminated Effective 3/31/02  
NEWS 6 Mar 08 Gene Names now available in BIOSIS  
NEWS 7 Mar 22 TOXLIT no longer available  
NEWS 8 Mar 22 TRCTHERMO no longer available  
NEWS 9 Mar 28 US Provisional Priorities searched with P in CA/CAPLUS  
and USPATFULL  
NEWS 10 Mar 28 LIPINSKI/CALC added for property searching in REGISTRY  
NEWS 11 Apr 02 PAPERCHEM no longer available on STN. Use PAPERCHEM2  
instead.  
NEWS 12 Apr 08 "Ask CAS" for self-help around the clock  
NEWS 13 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area  
NEWS 14 Apr 09 ZDB will be removed from STN  
  
NEWS EXPRESS February 1 CURRENT WINDOWS VERSION IS V6.0d,  
CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),  
AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002  
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FILE 'HOME' ENTERED AT 17:52:47 ON 18 APR 2002

=> file medline

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'MEDLINE' ENTERED AT 17:53:00 ON 18 APR 2002

FILE LAST UPDATED: 18 APR 2002 (20020418/UP). FILE COVERS 1958 TO DATE.

On April 22, 2001, MEDLINE was reloaded. See HELP RLOAD for details.

MEDLINE now contains IN-PROCESS records. See HELP CONTENT for details.

MEDLINE is now updated 4 times per week. A new current-awareness alert frequency (EVERYUPDATE) is available. See HELP UPDATE for more information.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2001 vocabulary. Enter HELP THESAURUS for details.

The OLDMEDLINE file segment now contains data from 1958 through 1965. Enter HELP CONTENT for details.

Left, right, and simultaneous left and right truncation are available in the Basic Index. See HELP SFIELDS for details.

THIS FILE CONTAINS CAS REGISTRY NUMBERS FOR EASY AND ACCURATE SUBSTANCE IDENTIFICATION.

=> s bacterial toxin

```
      347310 BACTERIAL
        8 BACTERIALS
      347311 BACTERIAL
            (BACTERIAL OR BACTERIALS)
      48590 TOXIN
      36886 TOXINS
      65340 TOXIN
            (TOXIN OR TOXINS)
L1      10391 BACTERIAL TOXIN
            (BACTERIAL(W) TOXIN)
```

=> s EtxB

```
      35 ETXB
        1 ETXBS
L2      35 ETXB
            (ETXB OR ETXBS)
```

=> s l2 1-35

MISSING OPERATOR L2 1-35

The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> d l2 1-35

```
L2  ANSWER 1 OF 35      MEDLINE
AN  2002150343      IN-PROCESS
DN  21877323      PubMed ID: 11882700
TI  Contribution of the ADP-ribosylating and receptor-binding properties of
    cholera-like enterotoxins in modulating cytokine secretion by human
    intestinal epithelial cells.
AU  Soriani Marco; Bailey Lorna; Hirst Timothy R
CS  Department of Pathology and Microbiology, University of Bristol, Bristol
    BS8 1TD, UK.
SO  MICROBIOLOGY, (2002 Mar) 148 (Pt 3) 667-76.
    Journal code: 9430468. ISSN: 1350-0872.
CY  England: United Kingdom
DT  Journal; Article; (JOURNAL ARTICLE)
```

LA English  
 FS IN-PROCESS; NONINDEXED; Priority Journals  
 ED Entered STN: 20020308  
 Last Updated on STN: 20020308

L2 ANSWER 2 OF 35 MEDLINE  
 AN 2001419634 MEDLINE  
 DN 21353030 PubMed ID: 11447291  
 TI A mutant cholera toxin B subunit that binds GM1- ganglioside but lacks immunomodulatory or toxic activity.  
 AU Aman A T; Fraser S; Merritt E A; Rodighiero C; Kenny M; Ahn M; Hol W G; Williams N A; Lencer W I; Hirst T R  
 CS Department of Pathology and Microbiology, University of Bristol, Bristol BS81TD, United Kingdom.  
 NC AI34501 (NIAID)  
 SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (2001 Jul 17) 98 (15) 8536-41.  
 Journal code: PV3; 7505876. ISSN: 0027-8424.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 OS PDB-1G8Z  
 EM 200108  
 ED Entered STN: 20010903  
 Last Updated on STN: 20010903  
 Entered Medline: 20010830

L2 ANSWER 3 OF 35 MEDLINE  
 AN 2001392800 MEDLINE  
 DN 21340378 PubMed ID: 11447169  
 TI Escherichia coli enterotoxin B subunit triggers apoptosis of CD8(+) T cells by activating transcription factor c-myc.  
 AU Soriani M; Williams N A; Hirst T R  
 CS Department of Pathology and Microbiology, University of Bristol, Bristol, BS8 1TD, United Kingdom.  
 SO INFECTION AND IMMUNITY, (2001 Aug) 69 (8) 4923-30.  
 Journal code: GO7; 0246127. ISSN: 0019-9567.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 200108  
 ED Entered STN: 20010827  
 Last Updated on STN: 20010827  
 Entered Medline: 20010823

L2 ANSWER 4 OF 35 MEDLINE  
 AN 2001354948 MEDLINE  
 DN 21178697 PubMed ID: 11282993  
 TI Evidence for a role of ganglioside GM1 in antigen presentation: binding enhances presentation of Escherichia coli enterotoxin B subunit ( **EtxB**) to CD4(+) T cells.  
 AU Nashar T O; Betteridge Z E; Mitchell R N  
 CS Department of Pathology and Microbiology, School of Medical Sciences, University of Bristol, Bristol BS8 1TD, UK.  
 NC RO1 GM 47726 (NIGMS)  
 SO INTERNATIONAL IMMUNOLOGY, (2001 Apr) 13 (4) 541-51.  
 Journal code: AY5; 8916182. ISSN: 0953-8178.  
 CY England: United Kingdom  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 200106  
 ED Entered STN: 20010625  
 Last Updated on STN: 20010625

Entered Medline: 20010621

L2 ANSWER 5 OF 35 MEDLINE  
AN 2001248162 MEDLINE  
DN 21189275 PubMed ID: 11292779  
TI Escherichia coli heat-labile enterotoxin B subunit is a more potent mucosal adjuvant than its closely related homologue, the B subunit of cholera toxin.  
AU Millar D G; Hirst T R; Snider D P  
CS Department of Pathology and Molecular Medicine, McMaster University, Hamilton, Ontario, Canada L8N 3Z5.. dmillar@uhnres.utoronto.ca  
SO INFECTION AND IMMUNITY, (2001 May) 69 (5) 3476-82.  
Journal code: GO7; 0246127. ISSN: 0019-9567.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200105  
ED Entered STN: 20010517  
Last Updated on STN: 20010517  
Entered Medline: 20010510

L2 ANSWER 6 OF 35 MEDLINE  
AN 2001221761 MEDLINE  
DN 20562508 PubMed ID: 11111925  
TI Immune modulation by the cholera-like enterotoxin B-subunits: from adjuvant to immunotherapeutic.  
AU Williams N A  
CS University of Bristol, Department of Pathology and Microbiology, School of Medical Sciences, UK.. Neil.a.williams@bris.ac.uk  
SO INTERNATIONAL JOURNAL OF MEDICAL MICROBIOLOGY, (2000 Oct) 290 (4-5) 447-53. Ref: 43  
Journal code: DQD; 100898849. ISSN: 1438-4221.  
CY GERMANY: Germany, Federal Republic of  
DT Journal; Article; (JOURNAL ARTICLE)  
General Review; (REVIEW)  
(REVIEW, TUTORIAL)  
LA English  
FS Priority Journals  
EM 200105  
ED Entered STN: 20010517  
Last Updated on STN: 20010517  
Entered Medline: 20010503

L2 ANSWER 7 OF 35 MEDLINE  
AN 2001210820 MEDLINE  
DN 21196418 PubMed ID: 11298654  
TI Cholera toxin and Escherichia coli enterotoxin B-subunits inhibit macrophage-mediated antigen processing and presentation: evidence for antigen persistence in non-acidic recycling endosomal compartments.  
AU Millar D G; Hirst T R  
CS Department of Pathology and Microbiology, University of Bristol, School of Medical Sciences, Bristol BS8 1TD, UK.  
SO CELLULAR MICROBIOLOGY, (2001 May) 3 (5) 311-29.  
Journal code: DW3; 100883691. ISSN: 1462-5814.  
CY England: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200106  
ED Entered STN: 20010625  
Last Updated on STN: 20010625  
Entered Medline: 20010621

L2 ANSWER 8 OF 35 MEDLINE  
 AN 1999238511 MEDLINE  
 DN 99238511 PubMed ID: 10220447  
 TI Intracellular delivery of an antiviral peptide mediated by the B subunit  
 of  
 Escherichia coli heat-labile enterotoxin.  
 AU Loregian A; Papini E; Satin B; Marsden H S; Hirst T R; Palu G  
 CS Institute of Microbiology, University of Padua, 35121 Padua, Italy.  
 SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF  
 AMERICA, (1999 Apr 27) 96 (9) 5221-6.  
 Journal code: PV3; 7505876. ISSN: 0027-8424.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 199906  
 ED Entered STN: 19990618  
 Last Updated on STN: 19990618  
 Entered Medline: 19990610

L2 ANSWER 9 OF 35 MEDLINE  
 AN 1999171729 MEDLINE  
 DN 99171729 PubMed ID: 10073721  
 TI Immunogenicity of Actinobacillus ApxIA toxin epitopes fused to the E.  
 coli  
 heat-labile enterotoxin B subunit.  
 AU Bagdasarian M M; Nagai M; Frey J; Bagdasarian M  
 CS Department of Microbiology, Michigan State University, East Lansing  
 48824-1312, USA.  
 SO VACCINE, (1999 Feb 5) 17 (5) 441-7.  
 Journal code: X60; 8406899. ISSN: 0264-410X.  
 CY ENGLAND: United Kingdom  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 199905  
 ED Entered STN: 19990525  
 Last Updated on STN: 19990525  
 Entered Medline: 19990507

L2 ANSWER 10 OF 35 MEDLINE  
 AN 1999134317 MEDLINE  
 DN 99134317 PubMed ID: 9933586  
 TI Structural basis for the differential toxicity of cholera toxin and  
 Escherichia coli heat-labile enterotoxin. Construction of hybrid toxins  
 identifies the A2-domain as the determinant of differential toxicity.  
 AU Rodighiero C; Aman A T; Kenny M J; Moss J; Lencer W I; Hirst T R  
 CS Department of Pathology and Microbiology, University of Bristol, School  
 of  
 Medical Sciences, Bristol BS8 1TD, United Kingdom.  
 SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1999 Feb 12) 274 (7) 3962-9.  
 Journal code: HIV; 2985121R. ISSN: 0021-9258.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 199903  
 ED Entered STN: 19990324  
 Last Updated on STN: 19990324  
 Entered Medline: 19990311

L2 ANSWER 11 OF 35 MEDLINE  
 AN 1998379563 MEDLINE  
 DN 98379563 PubMed ID: 9713936  
 TI Display of an inhibin epitope in a surface-exposed loop of the E. coli  
 heat-labile enterotoxin B subunit.

AU Sewani C R; Bagdasarian M M; Ireland J J; Bagdasarian M  
 CS Department of Physiology, Michigan State University, East Lansing  
 48824-1312, USA.  
 SO VACCINE, (1998 Oct) 16 (17) 1611-9.  
 Journal code: X60; 8406899. ISSN: 0264-410X.  
 CY ENGLAND: United Kingdom  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 199810  
 ED Entered STN: 19981029  
 Last Updated on STN: 19981029  
 Entered Medline: 19981022

L2 ANSWER 12 OF 35 MEDLINE  
 AN 1998018503 MEDLINE  
 DN 98018503 PubMed ID: 9378497  
 TI Modulation of B-cell activation by the B subunit of Escherichia coli  
 enterotoxin: receptor interaction up-regulates MHC class II, B7, CD40,  
 CD25 and ICAM-1.  
 AU Nashar T O; Hirst T R; Williams N A  
 CS School of Medical Sciences, University of Bristol, UK.  
 SO IMMUNOLOGY, (1997 Aug) 91 (4) 572-8.  
 Journal code: GH7; 0374672. ISSN: 0019-2805.  
 CY ENGLAND: United Kingdom  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 199711  
 ED Entered STN: 19971224  
 Last Updated on STN: 19971224  
 Entered Medline: 19971107

L2 ANSWER 13 OF 35 MEDLINE  
 AN 97444582 MEDLINE  
 DN 97444582 PubMed ID: 9299772  
 TI Hollow-fire bioreactors compared to batch and chemostat culture for the  
 production of a recombinant toxoid by a marine Iibrio.  
 AU Lloyd J R; Hirst T R; Bunch A W  
 CS School of Biological Sciences, University of Birmingham, Edgbaston, .  
 UK.J.R.Lloyd@bham.ac.uk  
 SO APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, (1997 Aug) 48 (2) 155-61.  
 Journal code: AMC; 8406612. ISSN: 0175-7598.  
 CY GERMANY: Germany, Federal Republic of  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS B  
 EM 199710  
 ED Entered STN: 19971013  
 Last Updated on STN: 19971013  
 Entered Medline: 19971001

L2 ANSWER 14 OF 35 MEDLINE  
 AN 97289759 MEDLINE  
 DN 97289759 PubMed ID: 9144230  
 TI Prevention of autoimmune disease due to lymphocyte modulation by the  
 B-subunit of Escherichia coli heat-labile enterotoxin.  
 AU Williams N A; Stasiuk L M; Nashar T O; Richards C M; Lang A K; Day M J;  
 Hirst T R  
 CS Department of Pathology and Microbiology, School of Medical Sciences,  
 University of Bristol, Bristol BS8 1TD, United Kingdom.  
 SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF  
 AMERICA, (1997 May 13) 94 (10) 5290-5.  
 Journal code: PV3; 7505876. ISSN: 0027-8424.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)

LA English  
FS Priority Journals  
EM 199706  
ED Entered STN: 19970612  
Last Updated on STN: 19970612  
Entered Medline: 19970605

L2 ANSWER 15 OF 35 MEDLINE  
AN 97128619 MEDLINE  
DN 97128619 PubMed ID: 8973177  
TI A pH-dependent conformational change in the B-subunit pentamer of Escherichia coli heat-labile enterotoxin: structural basis and possible functional role for a conserved feature of the AB5 toxin family.  
AU Ruddock L W; Webb H M; Ruston S P; Cheesman C; Freedman R B; Hirst T R  
CS Research School of Biosciences, University of Kent at Canterbury, U.K..  
l.w.ruddock@ukc.ac.uk  
SO BIOCHEMISTRY, (1996 Dec 17) 35 (50) 16069-76.  
Journal code: A0G; 0370623. ISSN: 0006-2960.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199701  
ED Entered STN: 19970219  
Last Updated on STN: 19980206  
Entered Medline: 19970123

L2 ANSWER 16 OF 35 MEDLINE  
AN 97090693 MEDLINE  
DN 97090693 PubMed ID: 8936601  
TI Use of Vibrio spp. for expression of Escherichia coli enterotoxin B subunit fusion proteins: purification and characterization of a chimera containing a C-terminal fragment of DNA polymerase from herpes simplex virus type 1.  
AU Loregian A; Hirst T R; Marsden H S; Palu G  
CS Institute of Microbiology, University of Padova, Italy.  
SO PROTEIN EXPRESSION AND PURIFICATION, (1996 Nov) 8 (3) 381-9.  
Journal code: BJV; 9101496. ISSN: 1046-5928.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199703  
ED Entered STN: 19970321  
Last Updated on STN: 19980206  
Entered Medline: 19970313

L2 ANSWER 17 OF 35 MEDLINE  
AN 96325012 MEDLINE  
DN 96325012 PubMed ID: 8702586  
TI Assembly of the B subunit pentamer of Escherichia coli heat-labile enterotoxin. Kinetics and molecular basis of rate-limiting steps in vitro.  
CM Erratum in: J Biol Chem 1996 Oct 25;271(43):27188  
AU Ruddock L W; Coen J J; Cheesman C; Freedman R B; Hirst T R  
CS Research School of Biosciences, University of Kent, Canterbury, Kent CT2 7NJ, United Kingdom.  
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1996 Aug 9) 271 (32) 19118-23.  
Journal code: HIV; 2985121R. ISSN: 0021-9258.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199609  
ED Entered STN: 19960924  
Last Updated on STN: 19980206

Entered Medline: 19960916

L2 ANSWER 18 OF 35 MEDLINE  
AN 96324796 MEDLINE  
DN 96324796 PubMed ID: 8671661  
TI Cross-linking of cell surface ganglioside GM1 induces the selective apoptosis of mature CD8+ T lymphocytes.  
AU Nahar T O; Williams N A; Hirst T R  
CS Research School of Biosciences, University of Kent, Canterbury, UK.  
SO INTERNATIONAL IMMUNOLOGY, (1996 May) 8 (5) 731-6. Ref: 24  
Journal code: AY5; 8916182. ISSN: 0953-8178.  
CY ENGLAND: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
General Review; (REVIEW)  
(REVIEW, TUTORIAL)  
LA English  
FS Priority Journals  
EM 199703  
ED Entered STN: 19970407  
Last Updated on STN: 19970407  
Entered Medline: 19970324

L2 ANSWER 19 OF 35 MEDLINE  
AN 96133910 MEDLINE  
DN 96133910 PubMed ID: 8552610  
TI Potent immunogenicity of the B subunits of Escherichia coli heat-labile enterotoxin: receptor binding is essential and induces differential modulation of lymphocyte subsets.  
AU Nashar T O; Webb H M; Eaglestone S; Williams N A; Hirst T R  
CS Research School of Biosciences, University of Kent, Canterbury, Great Britain.  
SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1996 Jan 9) 93 (1) 226-30.  
Journal code: PV3; 7505876. ISSN: 0027-8424.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199602  
ED Entered STN: 19960306  
Last Updated on STN: 19960306  
Entered Medline: 19960222

L2 ANSWER 20 OF 35 MEDLINE  
AN 96102052 MEDLINE  
DN 96102052 PubMed ID: 8530395  
TI Kinetics of acid-mediated disassembly of the B subunit pentamer of Escherichia coli heat-labile enterotoxin. Molecular basis of pH stability.  
AU Ruddock L W; Ruston S P; Kelly S M; Price N C; Freedman R B; Hirst T R  
CS Biological Laboratory, University of Kent, Canterbury, United Kingdom.  
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1995 Dec 15) 270 (50) 29953-8.  
Journal code: HIV; 2985121R. ISSN: 0021-9258.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199601  
ED Entered STN: 19960220  
Last Updated on STN: 19970203  
Entered Medline: 19960126

L2 ANSWER 21 OF 35 MEDLINE  
AN 95378272 MEDLINE  
DN 95378272 PubMed ID: 7544352  
TI Generation of a monoclonal antibody that recognizes the amino-terminal



decapeptide of the B-subunit of Escherichia coli heat-labile enterotoxin.  
 A new probe for studying toxin assembly intermediates.  
 AU Amin T; Larkins A; James R F; Hirst T R  
 CS Research School of Biosciences, University of Kent, Canterbury, United Kingdom.  
 SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1995 Aug 25) 270 (34) 20143-50.  
 Journal code: HIV; 2985121R. ISSN: 0021-9258.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 199509  
 ED Entered STN: 19951005  
 Last Updated on STN: 19960129  
 Entered Medline: 19950928

L2 ANSWER 22 OF 35 MEDLINE  
 AN 95278544 MEDLINE  
 DN 95278544 PubMed ID: 7758771  
 TI Strategies for the purification of intact and proteolytically-activated native and engineered heat-labile enterotoxins of Escherichia coli.  
 AU Ruston S; Eaglestone S; Webb H; Hirst T R  
 CS Research School of Biosciences, University of Kent, Canterbury, UK.  
 SO BIOCHEMICAL SOCIETY TRANSACTIONS, (1995 Feb) 23 (1) 55S.  
 Journal code: E48; 7506897. ISSN: 0300-5127.  
 CY ENGLAND: United Kingdom  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 199506  
 ED Entered STN: 19950707  
 Last Updated on STN: 19950707  
 Entered Medline: 19950626

L2 ANSWER 23 OF 35 MEDLINE  
 AN 95129913 MEDLINE  
 DN 95129913 PubMed ID: 7828926  
 TI Specificity of the protein secretory apparatus: secretion of the heat-labile enterotoxin B subunit pentamers by different species of gram-bacteria.  
 AU Michel L O; Sandkvist M; Bagdasarian M  
 CS NSF Center for Microbial Ecology, Michigan State University, East Lansing 48824.  
 SO GENE, (1995 Jan 11) 152 (1) 41-5.  
 Journal code: FOP; 7706761. ISSN: 0378-1119.  
 CY Netherlands  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 199502  
 ED Entered STN: 19950307  
 Last Updated on STN: 19950307  
 Entered Medline: 19950223

L2 ANSWER 24 OF 35 MEDLINE  
 AN 95058206 MEDLINE  
 DN 95058206 PubMed ID: 7968540  
 TI Suppression of temperature-sensitive assembly mutants of heat-labile enterotoxin B subunits.  
 AU Sandkvist M; Bagdasarian M  
 CS Department of Microbiology, Michigan State University, East Lansing 48824.  
 SO MOLECULAR MICROBIOLOGY, (1993 Nov) 10 (3) 635-45.  
 Journal code: MOM; 8712028. ISSN: 0950-382X.  
 CY ENGLAND: United Kingdom  
 DT Journal; Article; (JOURNAL ARTICLE)

LA English  
FS Priority Journals  
EM 199412  
ED Entered STN: 19950110  
Last Updated on STN: 19950110  
Entered Medline: 19941208

L2 ANSWER 25 OF 35 MEDLINE  
AN 94331983 MEDLINE  
DN 94331983 PubMed ID: 8054855  
TI Purification of the B-subunit oligomer of Escherichia coli heat-labile enterotoxin by heterologous expression and secretion in a marine vibrio.  
AU Amin T; Hirst T R  
CS Biological Laboratory, The University, Canterbury, Kent, United Kingdom.  
SO PROTEIN EXPRESSION AND PURIFICATION, (1994 Apr) 5 (2) 198-204.  
Journal code: BJV; 9101496. ISSN: 1046-5928.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199409  
ED Entered STN: 19940920  
Last Updated on STN: 19940920  
Entered Medline: 19940913

L2 ANSWER 26 OF 35 MEDLINE  
AN 94237439 MEDLINE  
DN 94237439 PubMed ID: 8181710  
TI Efficient extracellular production of hybrid E. coli heat-labile enterotoxin B subunits in a marine Vibrio.  
AU Marcello A; Loregian A; Palu G; Hirst T R  
CS Institute of Microbiology, University of Padua, Italy.  
SO FEMS MICROBIOLOGY LETTERS, (1994 Mar 15) 117 (1) 47-51.  
Journal code: FML; 7705721. ISSN: 0378-1097.  
CY Netherlands  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199406  
ED Entered STN: 19940621  
Last Updated on STN: 20000303  
Entered Medline: 19940615

L2 ANSWER 27 OF 35 MEDLINE  
AN 93365861 MEDLINE  
DN 93365861 PubMed ID: 8359463  
TI A new method for the purification of the B subunit (**EtxB**) of Escherichia coli heat-labile enterotoxin.  
AU Amin T; Marcello A; Hirst T R  
CS Biological Laboratory, University of Kent, Canterbury, U.K.  
SO BIOCHEMICAL SOCIETY TRANSACTIONS, (1993 May) 21 (2) 213S.  
Journal code: E48; 7506897. ISSN: 0300-5127.  
CY ENGLAND: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199309  
ED Entered STN: 19931015  
Last Updated on STN: 19931015  
Entered Medline: 19930930

L2 ANSWER 28 OF 35 MEDLINE  
AN 93175126 MEDLINE  
DN 93175126 PubMed ID: 7679865  
TI Current progress in the development of the B subunits of cholera toxin  
and

Escherichia coli heat-labile enterotoxin as carriers for the oral delivery of heterologous antigens and epitopes.

AU Nashar T O; Amin T; Marcello A; Hirst T R  
 CS Biological Laboratory, University of Kent, Canterbury, UK.  
 SO VACCINE, (1993) 11 (2) 235-40. Ref: 49  
 Journal code: X60; 8406899. ISSN: 0264-410X.  
 CY ENGLAND: United Kingdom  
 DT Journal; Article; (JOURNAL ARTICLE)  
 General Review; (REVIEW)  
 (REVIEW, TUTORIAL)  
 LA English  
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 EM 199303  
 ED Entered STN: 19930402  
 Last Updated on STN: 19960129  
 Entered Medline: 19930323

L2 ANSWER 29 OF 35 MEDLINE  
 AN 93101683 MEDLINE  
 DN 93101683 PubMed ID: 1465452  
 TI Intermolecular interactions between the A and B subunits of heat-labile enterotoxin from Escherichia coli promote holotoxin assembly and stability in vivo.

AU Streatfield S J; Sandkvist M; Sixma T K; Bagdasarian M; Hol W G; Hirst T R  
 CS Biological Laboratory, University of Kent, Canterbury, Great Britain.  
 SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1992 Dec 15) 89 (24) 12140-4.  
 Journal code: PV3; 7505876. ISSN: 0027-8424.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 199301  
 ED Entered STN: 19930205  
 Last Updated on STN: 19930205  
 Entered Medline: 19930119

L2 ANSWER 30 OF 35 MEDLINE  
 AN 93051246 MEDLINE  
 DN 93051246 PubMed ID: 1427007  
 TI Comparison of the nucleotide sequence and development of a PCR test for the epsilon toxin gene of Clostridium perfringens type B and type D.

AU Havard H L; Hunter S E; Titball R W  
 CS Chemical and Biological Defence Establishment, Salisbury, UK.  
 SO FEMS MICROBIOLOGY LETTERS, (1992 Oct 1) 76 (1-2) 77-81.  
 Journal code: FML; 7705721. ISSN: 0378-1097.  
 CY Netherlands  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 OS GENBANK-M95206  
 EM 199212  
 ED Entered STN: 19930122  
 Last Updated on STN: 19930122  
 Entered Medline: 19921208

L2 ANSWER 31 OF 35 MEDLINE  
 AN 92374846 MEDLINE  
 DN 92374846 PubMed ID: 1324389  
 TI A homologue of the Escherichia coli DsbA protein involved in disulphide bond formation is required for enterotoxin biogenesis in Vibrio cholerae.

AU Yu J; Webb H; Hirst T R

CS Biological Laboratory, University of Kent, Canterbury, UK.  
SO MOLECULAR MICROBIOLOGY, (1992 Jul) 6 (14) 1949-58.  
Journal code: MOM; 8712028. ISSN: 0950-382X.  
CY ENGLAND: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
OS GENBANK-X64725  
EM 199209  
ED Entered STN: 19921009  
Last Updated on STN: 19990129  
Entered Medline: 19920922

L2 ANSWER 32 OF 35 MEDLINE  
AN 92268852 MEDLINE  
DN 92268852 PubMed ID: 1588306  
TI Expression of the B subunit of Escherichia coli heat-labile enterotoxin  
in  
a marine Vibrio and in a mutant that is pleiotropically defective in the  
secretion of extracellular proteins.  
AU Leece R; Hirst T R  
CS Department of Genetics, University of Leicester, UK.  
SO JOURNAL OF GENERAL MICROBIOLOGY, (1992 Apr) 138 ( Pt 4) 719-24.  
Journal code: I87; 0375371. ISSN: 0022-1287.  
CY ENGLAND: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199206  
ED Entered STN: 19920710  
Last Updated on STN: 19920710  
Entered Medline: 19920625

L2 ANSWER 33 OF 35 MEDLINE  
AN 92140031 MEDLINE  
DN 92140031 PubMed ID: 1779757  
TI Targeting and assembly of an oligomeric bacterial enterotoxoid in the  
endoplasmic reticulum of Saccharomyces cerevisiae.  
AU Schonberger O; Hirst T R; Pines O  
CS Department of Molecular Biology, Hebrew University, Hadassah Medical  
School, Jerusalem, Israel.  
SO MOLECULAR MICROBIOLOGY, (1991 Nov) 5 (11) 2663-71.  
Journal code: MOM; 8712028. ISSN: 0950-382X.  
CY ENGLAND: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199203  
ED Entered STN: 19920329  
Last Updated on STN: 19960129  
Entered Medline: 19920310

L2 ANSWER 34 OF 35 MEDLINE  
AN 90368708 MEDLINE  
DN 90368708 PubMed ID: 2203772  
TI Minimal deletion of amino acids from the carboxyl terminus of the B  
subunit of heat-labile enterotoxin causes defects in its assembly and  
release from the cytoplasmic membrane of Escherichia coli.  
AU Sandkvist M; Hirst T R; Bagdasarian M  
CS Department of Microbiology, Michigan State University, Lansing 48909.  
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1990 Sep 5) 265 (25) 15239-44.  
Journal code: HIV; 2985121R. ISSN: 0021-9258.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals

EM 199010  
ED Entered STN: 19901109  
Last Updated on STN: 19901109  
Entered Medline: 19901009

L2 ANSWER 35 OF 35 MEDLINE  
AN 88007397 MEDLINE  
DN 88007397 PubMed ID: 2820934  
TI Alterations at the carboxyl terminus change assembly and secretion  
properties of the B subunit of Escherichia coli heat-labile enterotoxin.  
AU Sandkvist M; Hirst T R; Bagdasarian M  
CS Institute for Applied Cell and Molecular Biology, Umea University,  
Sweden.  
SO JOURNAL OF BACTERIOLOGY, (1987 Oct) 169 (10) 4570-6.  
Journal code: HH3; 2985120R. ISSN: 0021-9193.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 198711  
ED Entered STN: 19900305  
Last Updated on STN: 19900305  
Entered Medline: 19871105

=>  
<-----User Break----->

=>  
<-----User Break----->

=> d 19

L2 ANSWER 19 OF 35 MEDLINE  
AN 96133910 MEDLINE  
DN 96133910 PubMed ID: 8552610  
TI Potent immunogenicity of the B subunits of Escherichia coli heat-labile  
enterotoxin: receptor binding is essential and induces differential  
modulation of lymphocyte subsets.  
AU Nashar T O; Webb H M; Eaglestone S; Williams N A; Hirst T R  
CS Research School of Biosciences, University of Kent, Canterbury, Great  
Britain.  
SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF  
AMERICA, (1996 Jan 9) 93 (1) 226-30.  
Journal code: PV3; 7505876. ISSN: 0027-8424.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199602  
ED Entered STN: 19960306  
Last Updated on STN: 19960306  
Entered Medline: 19960222

=> d ab 19

L2 ANSWER 19 OF 35 MEDLINE  
AB The importance of receptor binding in the potent immunogenicity of  
Escherichia coli heat-labile enterotoxin B subunit (**EtxB**) was  
tested by comparing its immunological properties with those of a receptor  
binding mutant, **EtxB**(G33D). Subcutaneous immunization of  
**EtxB**(G33D) resulted in 160-fold reduction in antibody titer  
compared with wild-type **EtxB**, whereas its oral delivery failed

to provoke any detectable secretory or serum anti-B subunit responses. Moreover, the two proteins induced strikingly different effects on lymphocyte cultures in vitro. **EtxB**, in comparison with **EtxB** (G33D), caused an increase in the proportion of B cells, many of which were activated (CD25+); the complete depletion of CD8+ T cells; an increase in the activation of CD4+ T cells; and an increase in interleukin 2 and a decrease in interferon gamma. These data indicate that **EtxB** exerts profound effects on immune cells, suggesting that its potent immunogenicity is dependent not only on efficient receptor-mediated uptake, but also on direct receptor-mediated immunomodulation of lymphocyte subsets.

=>

<-----User Break----->

=> d all

L2 ANSWER 1 OF 35 MEDLINE  
AN 2002150343 IN-PROCESS  
DN 21877323 PubMed ID: 11882700  
TI Contribution of the ADP-ribosylating and receptor-binding properties of cholera-like enterotoxins in modulating cytokine secretion by human intestinal epithelial cells.  
AU Soriani Marco; Bailey Lorna; Hirst Timothy R  
CS Department of Pathology and Microbiology, University of Bristol, Bristol BS8 1TD, UK.  
SO MICROBIOLOGY, (2002 Mar) 148 (Pt 3) 667-76.  
Journal code: 9430468. ISSN: 1350-0872.  
CY England: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS IN-PROCESS; NONINDEXED; Priority Journals  
ED Entered STN: 20020308  
Last Updated on STN: 20020308  
AB When epithelial cells first encounter cholera toxin (Ctx) produced by *Vibrio cholerae* they secrete not only chloride ions responsible for causing diarrhoea, but also a number of cytokines that may contribute to the toxin's potent immunomodulatory properties. Much less is known about the ability of the heat-labile enterotoxin of *Escherichia coli* (Etx), a close homologue of Ctx, to elicit cytokine secretion by epithelial cells. This study shows that treatment of human intestinal epithelial T84 cells with Etx induces expression of IL-6, IL-10, IL-1R antagonist, as well as IL-1alpha and IL-1beta and low levels of IL-8. Such induction was totally dependent on the intrinsic ADP-ribosylating activity of the toxin A-subunit, and could be mimicked by cAMP-elevating agents, such as forskolin and dibutyryl cAMP. By comparison, neither an enzymically inactive mutant of Etx nor **EtxB** was able to induce cytokine secretion. The behaviour of Ctx and CtxB was very similar to that of Etx and **EtxB**, respectively. The spectrum of cytokines released by Etx and Ctx indicates that the toxins may create a local microenvironment that strongly biases the immune response towards an anti-inflammatory and a polarized Th2 response.

=> d his

(FILE 'HOME' ENTERED AT 17:52:47 ON 18 APR 2002)

FILE 'MEDLINE' ENTERED AT 17:53:00 ON 18 APR 2002

L1 10391 S BACTERIAL TOXIN  
L2 35 S ETXB

=> s free

```
      366951 FREE
      173 FREES
L3      367109 FREE
          (FREE OR FREES)
```

=> s l2 and l3

```
L4          0 L2 AND L3
```

=> ETXB free

ETXB IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.  
For a list of commands available to you in the current file, enter  
"HELP COMMANDS" at an arrow prompt (=>).

=> s etxb free

```
      35 ETXB
      1 ETXBS
      35 ETXB
          (ETXB OR ETXBS)
      366951 FREE
      173 FREES
      367109 FREE
          (FREE OR FREES)
L5          0 ETXB FREE
          (ETXB(W) FREE)
```

=>

<-----User Break----->

=> s immunodulator

```
      5 IMMUNODULATOR
      7 IMMUNODULATORS
L6      12 IMMUNODULATOR
          (IMMUNODULATOR OR IMMUNODULATORS)
```

=> s herpes virus

```
      36720 HERPES
      2 HERPESES
      36722 HERPES
          (HERPES OR HERPESES)
      322252 VIRUS
      99401 VIRUSES
      347665 VIRUS
          (VIRUS OR VIRUSES)
L7      2842 HERPES VIRUS
          (HERPES(W)VIRUS)
```

=> s influenza virus

```
      32915 INFLUENZA
      12 INFLUENZAS
      32917 INFLUENZA
          (INFLUENZA OR INFLUENZAS)
      322252 VIRUS
      99401 VIRUSES
      347665 VIRUS
          (VIRUS OR VIRUSES)
L8      12218 INFLUENZA VIRUS
```

(INFLUENZA(W) VIRUS)

=> s respiratory syncytial virus

```
      225196 RESPIRATORY
        37 RESPIRATORIES
      225199 RESPIRATORY
        (RESPIRATORY OR RESPIRATORIES)
        6855 SYNCYTIAL
      322252 VIRUS
        99401 VIRUSES
      347665 VIRUS
        (VIRUS OR VIRUSES)
L9      5119 RESPIRATORY SYNCYTIAL VIRUS
        (RESPIRATORY(W) SYNCYTIAL(W) VIRUS)
```

=> d his

(FILE 'HOME' ENTERED AT 17:52:47 ON 18 APR 2002)

FILE 'MEDLINE' ENTERED AT 17:53:00 ON 18 APR 2002

```
L1      10391 S BACTERIAL TOXIN
L2        35 S ETXB
L3      367109 S FREE
L4        0 S L2 AND L3
L5        0 S ETXB FREE
L6       12 S IMMUNODULATOR
L7      2842 S HERPES VIRUS
L8     12218 S INFLUENZA VIRUS
L9     5119 S RESPIRATORY SYNCYTIAL VIRUS
```

=> d l6

```
L6      ANSWER 1 OF 12      MEDLINE
AN      2001562350      MEDLINE
DN      21520603      PubMed ID: 11642029
TI      [Drug-induced hemolytic anemia].
        Anemie hemolytique induite par les medicaments.
AU      Wautier J L; Rouger P
CS      Institut national de la transfusion sanguine, 6, rue Alexandre-Cabanel,
        75015 Paris, France.. wautier@ints.fr
SO      TRANSFUSION CLINIQUE ET BIOLOGIQUE, (2001 Aug) 8 (4) 377-80. Ref: 17
        Journal code: 9423846. ISSN: 1246-7820.
CY      France
DT      Journal; Article; (JOURNAL ARTICLE)
        General Review; (REVIEW)
        (REVIEW, TUTORIAL)
LA      French
FS      Priority Journals
EM      200112
ED      Entered STN: 20011022
        Last Updated on STN: 20020124
        Entered Medline: 20011231
```

=> d l6 1-12

```
L6      ANSWER 1 OF 12      MEDLINE
AN      2001562350      MEDLINE
DN      21520603      PubMed ID: 11642029
TI      [Drug-induced hemolytic anemia].
        Anemie hemolytique induite par les medicaments.
AU      Wautier J L; Rouger P
```



CS Institut national de la transfusion sanguine, 6, rue Alexandre-Cabanel,  
 75015 Paris, France.. wautier@ints.fr  
 SO TRANSFUSION CLINIQUE ET BIOLOGIQUE, (2001 Aug) 8 (4) 377-80. Ref: 17  
 Journal code: 9423846. ISSN: 1246-7820.  
 CY France  
 DT Journal; Article; (JOURNAL ARTICLE)  
 General Review; (REVIEW)  
 (REVIEW, TUTORIAL)  
 LA French  
 FS Priority Journals  
 EM 200112  
 ED Entered STN: 20011022  
 Last Updated on STN: 20020124  
 Entered Medline: 20011231

L6 ANSWER 2 OF 12 MEDLINE  
 AN 2001455676 MEDLINE  
 DN 21393145 PubMed ID: 11501133  
 TI Effect of different immunomodulators on macrophage function in rats with  
 scald injury.  
 AU Zhuo A; Chen A; Shen F  
 CS 465th Hospital of People's Liberation Army, Jilin, 132011.  
 SO CHUNG-HUA CHENG HSING SHAO SHANG WAI KO TSA CHIH [CHINESE JOURNAL OF  
 PLASTIC SURGERY AND BURNS], (1999 Mar) 15 (2) 105-8.  
 Journal code: 8510296. ISSN: 1000-7806.  
 CY China  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA Chinese  
 FS Priority Journals  
 EM 200112  
 ED Entered STN: 20010815  
 Last Updated on STN: 20020122  
 Entered Medline: 20011205

L6 ANSWER 3 OF 12 MEDLINE  
 AN 2000028826 MEDLINE  
 DN 20028826 PubMed ID: 10563086  
 TI [Acyclovir may modulate clonal expansion of cd8+ lymphocytes induced by  
 the Cytomegalovirus antigen].  
 El aciclovir puede modular la expansion clonal de linfocitos CD8+  
 inducida  
 por antígeno de Citomegalovirus.  
 AU Gavilan F; Caballero J; Cardenas M; Moreno J; Martinez L; Gallego C;  
 Sanchez-Guijo P; Torre-Cisneros J  
 CS Seccion de Enfermedades Infecciosas, Hospital Universitario Reina Sofia,  
 Cordoba.  
 SO ENFERMEDADES INFECCIOSAS Y MICROBIOLOGIA CLINICA, (1999 Oct) 17 (8)  
 390-3.  
 Journal code: A10; 9104081. ISSN: 0213-005X.  
 CY Spain  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA Spanish  
 FS Priority Journals  
 EM 199912  
 ED Entered STN: 20000113  
 Last Updated on STN: 20000113  
 Entered Medline: 19991214

L6 ANSWER 4 OF 12 MEDLINE  
 AN 93122320 MEDLINE  
 DN 93122320 PubMed ID: 1478324  
 TI Osteoblastic and chondroblastic response to a variety of locally  
 administered immunomodulators in mice.  
 AU Wlodarski K H; Galus K  
 CS Department of Histology and Embryology, Institute of Biostructure,  
 Medical

Academy, Warsaw.  
SO FOLIA BIOLOGICA, (1992) 38 (5) 284-92.  
Journal code: EYH; 0234640. ISSN: 0015-5500.  
CY Czechoslovakia  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199302  
ED Entered STN: 19930226  
Last Updated on STN: 19930226  
Entered Medline: 19930210

L6 ANSWER 5 OF 12 MEDLINE  
AN 91136109 MEDLINE  
DN 91136109 PubMed ID: 2126682  
TI Inhibition of growth of subcutaneous xenografts and metastasis of human breast carcinoma by swainsonine: modulation of tumor cell HLA class I antigens and host immune effector mechanisms.  
AU Mohla S; White S; Grzegorzewski K; Nielsen D; Dunston G; Dickson L; Cha J K; Asseffa A; Olden K  
CS Howard University Cancer Center, Washington, D.C.  
NC CA-14718 (NCI)  
CA-34918 (NCI)  
SO ANTICANCER RESEARCH, (1990 Nov-Dec) 10 (6) 1515-22.  
Journal code: 59L; 8102988. ISSN: 0250-7005.  
CY Greece  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199103  
ED Entered STN: 19910405  
Last Updated on STN: 19910405  
Entered Medline: 19910315

L6 ANSWER 6 OF 12 MEDLINE  
AN 91004587 MEDLINE  
DN 91004587 PubMed ID: 2208570  
TI Tumor vaccines.  
AU Bystryn J C  
CS Melanoma Program, Kaplan Cancer Center, New York University School of Medicine, NY 10016.  
NC CA34358 (NCI)  
SO CANCER AND METASTASIS REVIEWS, (1990 Jul) 9 (1) 81-91. Ref: 44  
Journal code: C9H; 8605731. ISSN: 0891-9992.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
General Review; (REVIEW)  
(REVIEW, TUTORIAL)  
LA English  
FS Priority Journals  
EM 199011  
ED Entered STN: 19910117  
Last Updated on STN: 19910117  
Entered Medline: 19901107

L6 ANSWER 7 OF 12 MEDLINE  
AN 90352584 MEDLINE  
DN 90352584 PubMed ID: 2117482  
TI Antitumor effects of alpha-interferon and gamma-interferon on a murine renal cancer (Renca) in vitro and in vivo.  
AU Sayers T J; Wiltrout T A; McCormick K; Husted C; Wiltrout R H  
CS Biological Carcinogenesis Development Program, NCI-Frederick Cancer Research Facility, Maryland 21701-1013.  
NC N01-CO-74102 (NCI)  
SO CANCER RESEARCH, (1990 Sep 1) 50 (17) 5414-20.  
Journal code: CNF; 2984705R. ISSN: 0008-5472.

CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 199009  
 ED Entered STN: 19901026  
 Last Updated on STN: 20000303  
 Entered Medline: 19900927

L6 ANSWER 8 OF 12 MEDLINE  
 AN 90348363 MEDLINE  
 DN 90348363 PubMed ID: 2117182  
 TI Influence of a bacterial extract on antigen presentation and protection against experimental infections.  
 AU Fontanges R; Bottex C; Cristau B; Burckhart M F  
 CS French Army Medical Research Center, La Tronche.  
 SO LUNG, (1990) 168 Suppl 716-9.  
 Journal code: LA2; 7701875. ISSN: 0341-2040.

CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 199009  
 ED Entered STN: 19901026  
 Last Updated on STN: 19901026  
 Entered Medline: 19900920

L6 ANSWER 9 OF 12 MEDLINE  
 AN 90187857 MEDLINE  
 DN 90187857 PubMed ID: 1690238  
 TI Prevention of experimental autoimmune thyroiditis through the anti-idiotypic network.  
 AU Roubaty C; Bedin C; Charreire J  
 CS INSERM U, 283, Hopital Cochin, Paris, France.  
 SO JOURNAL OF IMMUNOLOGY, (1990 Mar 15) 144 (6) 2167-72.  
 Journal code: IFB; 2985117R. ISSN: 0022-1767.

CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Abridged Index Medicus Journals; Priority Journals  
 EM 199004  
 ED Entered STN: 19900601  
 Last Updated on STN: 19960129  
 Entered Medline: 19900416

L6 ANSWER 10 OF 12 MEDLINE  
 AN 89374445 MEDLINE  
 DN 89374445 PubMed ID: 2789052  
 TI Characterization of the antitumor activity of a polyantigenic immunomodulator (PAI): I--Utilization of cimetidine and cyclosporine A.  
 AU Rios-Olivares E; Orraca Z M; Carrasco-Canales J A; Alvarado L; Marchand A M; Colon J I  
 NC RR-03035 (NCRR)  
 RR-08159 (NCRR)  
 SO BOLETIN - ASOCIACION MEDICA DE PUERTO RICO, (1989 Jul) 81 (7) 246-53.  
 Journal code: AB4; 7505267. ISSN: 0004-4849.

CY Puerto Rico  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 198910  
 ED Entered STN: 19900309  
 Last Updated on STN: 19970203  
 Entered Medline: 19891016

L6 ANSWER 11 OF 12 MEDLINE

AN 82206326 MEDLINE  
DN 82206326 PubMed ID: 6282290  
TI [Drug-induced changes in chemotaxis under normal conditions and in  
rheumatoid arthritis].  
Modificazioni farmacologicamente indotte della chemiotassi in condizioni  
normali e nell'artrite reumatoide.  
AU Berti C; Pellegrini R; Lalumera M; Morozzi G; Marcolongo R  
SO BOLLETTINO - SOCIETA ITALIANA BIOLOGIA SPERIMENTALE, (1982 Apr 15) 58 (7)  
378-84.  
Journal code: ALS; 7506962. ISSN: 0037-8771.  
CY Italy  
DT Journal; Article; (JOURNAL ARTICLE)  
LA Italian  
FS Priority Journals  
EM 198208  
ED Entered STN: 19900317  
Last Updated on STN: 19900317  
Entered Medline: 19820807

L6 ANSWER 12 OF 12 MEDLINE  
AN 81103621 MEDLINE  
DN 81103621 PubMed ID: 7455909  
TI Improved survival in severely burned animals using intravenous  
Corynebacterium parvum vaccine post injury.  
AU Stinnett J D; Alexander J W; Morris M J; Dreffer R L; Craycraft T K;  
Anderson P E; Ogle C K; MacMillan B G  
NC AI 12936 (NIAID)  
SO SURGERY, (1981 Feb) 89 (2) 237-42.  
Journal code: VC3; 0417347. ISSN: 0039-6060.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Abridged Index Medicus Journals; Priority Journals  
EM 198103  
ED Entered STN: 19900316  
Last Updated on STN: 19970203  
Entered Medline: 19810324

=> d his

(FILE 'HOME' ENTERED AT 17:52:47 ON 18 APR 2002)

FILE 'MEDLINE' ENTERED AT 17:53:00 ON 18 APR 2002

L1 10391 S BACTERIAL TOXIN  
L2 35 S ETXB  
L3 367109 S FREE  
L4 0 S L2 AND L3  
L5 0 S ETXB FREE  
L6 12 S IMMUNODULATOR  
L7 2842 S HERPES VIRUS  
L8 12218 S INFLUENZA VIRUS  
L9 5119 S RESPIRATORY SYNCYTIAL VIRUS

=> s 17 and 18 and 19

L10 2 L7 AND L8 AND L9

=> d 110

L10 ANSWER 1 OF 2 MEDLINE  
AN 1999095492 MEDLINE  
DN 99095492 PubMed ID: 9879419  
TI An epidemiological study of postviral olfactory disorder.

AU Sugiura M; Aiba T; Mori J; Nakai Y  
CS Department of Otolaryngology, PL Hospital, Osaka, Japan.  
SO ACTA OTO-LARYNGOLOGICA. SUPPLEMENT, (1998) 538 191-6.  
Journal code: 1HD; 0370355. ISSN: 0365-5237.  
CY Norway  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199903  
ED Entered STN: 19990326  
Last Updated on STN: 20000303  
Entered Medline: 19990318

=> d 110 1-2

L10 ANSWER 1 OF 2 MEDLINE  
AN 1999095492 MEDLINE  
DN 99095492 PubMed ID: 9879419  
TI An epidemiological study of postviral olfactory disorder.  
AU Sugiura M; Aiba T; Mori J; Nakai Y  
CS Department of Otolaryngology, PL Hospital, Osaka, Japan.  
SO ACTA OTO-LARYNGOLOGICA. SUPPLEMENT, (1998) 538 191-6.  
Journal code: 1HD; 0370355. ISSN: 0365-5237.  
CY Norway  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199903  
ED Entered STN: 19990326  
Last Updated on STN: 20000303  
Entered Medline: 19990318

L10 ANSWER 2 OF 2 MEDLINE  
AN 96378025 MEDLINE  
DN 96378025 PubMed ID: 8783800  
TI Antiviral properties of extract of Opuntia streptacantha.  
AU Ahmad A; Davies J; Randall S; Skinner G R  
CS Department of Infection, Medical School, University of Birmingham, UK.  
SO ANTIVIRAL RESEARCH, (1996 May) 30 (2-3) 75-85.  
Journal code: 6I7; 8109699. ISSN: 0166-3542.  
CY Netherlands  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199705  
ED Entered STN: 19970514  
Last Updated on STN: 19970514  
Entered Medline: 19970502

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS

SINCE FILE  
ENTRY

TOTAL  
SESSION

FULL ESTIMATED COST

20.97

21.18

STN INTERNATIONAL LOGOFF AT 18:13:36 ON 18 APR 2002